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TITLE: AN ENZYME AND ENZYME PREPARATION WITH ENDOGLUCANASE ACTIVITY

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ABSTRACT:

An enzyme composition with substantial cellulolytic, especially endoglucanase, activity at alkaline conditions which is derived from or producible by fungi from the genus *Acremonium*, provided that the enzyme composition is not immunologically cross-reactive with antibodies raised against endoglucanases (EC 3.2.1.4) from *Humicola insolens*, DSM 1800, *Fusarium oxysporum*, DSM 2672, *Myceliophthora thermophila*, CBS 117.65, or *Cephalosporium* sp., RYM-202. The invention further relates to a DNA construct comprising a DNA sequence encoding an enzyme exhibiting endoglucanase activity. The enzyme composition and the isolated or cloned and expressed cellulase of the invention may be useful in any industrial process requiring an alkaline cellulase, e.g. for providing localised variation in the colour density of dyed fabric such as stone-washing of denim, for improving the drainage of an aqueous suspension of paper pulp, for the de-inking of recycled paper, in detergent compositions and in fabric softeners.